

Amendments to the Claims.

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 (currently amended): A reflector lamp comprising a glass shell, a base, a wire lamp, and a heat shield, said wire lamp being disposed within said glass shell, said glass shell having a concave inner surface and an outer surface, said glass shell having a thickness, said glass shell having a reflective coating disposed on said inner surface, said glass shell having a bottom, said glass shell having an opening at said bottom, said base extending from said bottom of said glass shell, said opening and said base defining a nose chamber, said heat shield being disposed substantially within or adjacent said nose chamber, said nose chamber having an a sealed-off exhaust hole ~~adapted for the passage of an exhaust tube therethrough~~ in a base of said nose chamber, said sealed-off exhaust hole being substantially offset from a center of said base of said nose chamber, said base of said nose chamber having a diameter of no greater than 1 inch ~~said nose chamber having a diameter of less than 1 inch~~.

2 (original): A reflector lamp according to claim 1, wherein said concave inner surface is substantially parabolic.

3 (original): A reflector lamp according to claim 2, wherein said heat shield is positioned so as to substantially complete said parabolic inner surface.

4 (original): A reflector lamp according to claim 1, wherein said heat shield is a concave curved-shape.

5 (original): A reflector lamp according to claim 1, wherein said heat shield comprises stainless steel.

6 (original): A reflector lamp according to claim 1, wherein said heat shield comprises a substrate and a reflective coating disposed on said substrate.

7 (currently amended): A reflector lamp according to claim 1, wherein said nose chamber has a plurality of sealed-off holes disposed in said base of said nose chamber.

8 (currently amended): A reflector lamp according to claim 7, wherein the number of said sealed-off holes is three.

9 (currently amended): A reflector lamp according to claim 1, wherein said base of said nose chamber has a diameter of no greater than 0.90 inches⁸, wherein two of said holes are adapted for the passage of ferrules therethrough, and one of said holes is said exhaust hole.

10 (canceled)

11 (currently amended): A reflector lamp according to claim 1, wherein said base of said nose chamber has a diameter of no greater than 0.85 inches⁶, wherein said reflective coating on said substrate comprises at least one metal selected from the group consisting of silver, gold, white gold, aluminum, and chromium.

12 (currently amended): A reflector lamp according to claim 1, wherein said base of said nose chamber has a diameter of no greater than 0.82 inches⁶, wherein said substrate comprises stainless steel.

13 (currently amended): A reflector lamp according to claim [[3]]1, wherein said heat shield is positioned above said opening at said bottom of said glass shell within 4 mm thereof.

14 (currently amended): A reflector lamp according to claim [[3]]1, wherein said heat shield is positioned below said opening at said bottom of said glass shell within 4 mm thereof.

15 (currently amended): A finished reflector lamp comprising a glass shell, a base, and a wire lamp, said wire lamp being disposed within said shell, said glass shell having a concave inner surface and an outer surface, said glass shell having a thickness, said glass shell having a reflective coating disposed on said inner surface, said glass shell having a bottom, said glass shell having an opening at said bottom, said base extending from said bottom of said glass shell, said opening and said base defining a nose chamber, said nose chamber having a bottom and having a perimeter wall having an inner surface and a bottom, said perimeter wall and said nose chamber bottom defining a volume inside said nose chamber, said nose chamber defining a slot having a major dimension and a minor dimension, said major dimension being substantially longer than said minor dimension, said wire lamp extending into said slot, substantially all of the perimeter wall inner surface being in fluid communication with the volume inside said nose chamber.

16 (canceled)

17 (original): A reflector lamp as in claim 15, wherein said slot has a substantially rectangular cross-section.

18 (original): A reflector lamp as in claim 15, wherein said slot has a substantially elliptical cross-section.

19 (currently amended): A reflector lamp according to claim 15, wherein comprising a glass shell, a base, and a wire lamp, said wire lamp being disposed within said shell, said glass shell having a concave inner surface and an outer surface, said glass shell having a thickness, said glass shell having a reflective coating disposed on said inner surface, said glass shell having a bottom, said glass shell having an opening at said bottom, said base extending from said bottom of said glass shell, said opening and said base defining a nose chamber, said nose chamber having an inner surface and a bottom, said nose chamber defining a slot having a major dimension and a minor dimension, said major dimension being substantially longer than said minor dimension, said wire lamp extending into said slot, said base having a bottom, the bottom of said base of said lamp having a substantially cross-shaped cross-section.

20 (previously presented): A reflector lamp comprising a glass shell, a wire lamp, and a flange, said wire lamp being disposed within said glass shell, said glass shell having a concave inner surface and an outer surface, said glass shell having a reflective coating disposed on said concave inner surface, said flange extending from said outer surface of said glass shell and defining a perimeter of a chamber, an inwardly extending overhang portion of said glass shell extending over said chamber and being substantially continuous with said glass shell, said overhang portion having an inner surface coated with said reflective coating, said overhang portion having an opening therethrough in communication with said chamber, said opening having a longitudinal dimension along a longitudinal axis and a lateral dimension along a lateral axis, said longitudinal dimension being longer than said lateral dimension.

21 (currently amended): A reflector lamp according to claim 20, further comprising a glass cup attached to said flange extending from said outer surface of said glass shell, said glass cup comprising a base, a wall extending from said base of said glass cup at a perimeter thereof, and a plurality of sealed openings on extending through said base of said glass cup providing fluid connectivity between inner and outer surfaces thereof.

22 (original): A reflector lamp according to claim 20, wherein said flange is integrally formed as part of said glass shell.

23 (previously presented): A reflector lamp according to claim 6, said reflective coating on said substrate comprising chromium.

24 (previously presented): A reflector lamp according to claim 15, said major dimension being longer than said minor dimension by a factor selected from the group consisting of 1.5, 2, 3, 4, and 5.

25 (previously presented): A reflector lamp according to claim 15, said major dimension being 4 times longer than said minor dimension.

26 (previously presented): A reflector lamp according to claim 21, said wall of said glass cup and said flange extending from said glass shell having substantially the same diameter, said wall of said glass cup being permanently attached to said extending flange by glass fritting.

27 (currently amended): ~~The~~A reflector lamp according to claim 15, wherein comprising a glass shell, a base, and a wire lamp, said wire lamp being disposed within said shell, said glass shell having a concave inner surface and an outer surface, said glass shell having a thickness, said glass shell having a reflective coating disposed on said inner surface, said glass shell having a bottom, said glass shell having an opening at said bottom, said base extending from said bottom of said glass shell, said opening and said base defining a nose chamber, said nose chamber having a bottom and having a perimeter wall having an inner surface, said nose chamber defining a slot having a major dimension and a minor dimension, said major dimension being substantially longer than said minor dimension, said wire lamp extending into said slot, said nose chamber has having a reflective coating disposed on said inner surface of said perimeter wall of said nose chamber effective to reflect light emitted by said wire lamp.

28 (canceled)

29 (previously presented): The reflector lamp according to claim 15, wherein the minor dimension of said nose chamber is less than one inch.

30 (previously presented): The reflector lamp of claim 20, wherein said opening is a key-shaped hole.

31 (previously presented): The reflector lamp of claim 20, wherein said overhang portion covers at least 50% of the space over said chamber.

32 (previously presented): The reflector lamp of claim 20, wherein said overhang portion covers at least 80% of the space over said chamber.

33 (previously presented): The reflector lamp of claim 30, wherein said overhang portion covers at least 70% of the space over said chamber.